

Economic Benefits of the Spallation Neutron Source

The Spallation Neutron Source (SNS) will be the world's foremost neutron-scattering facility, and when coupled with the High Flux Isotope Reactor, will make Oak Ridge a center for neutron science. In addition to the long-term benefits of the scientific research that will be performed at SNS, the construction project is having an immediate impact on the local economy. SNS is being built on Chestnut Ridge, an 80-acre site at Oak Ridge National Laboratory (ORNL) in Oak Ridge,

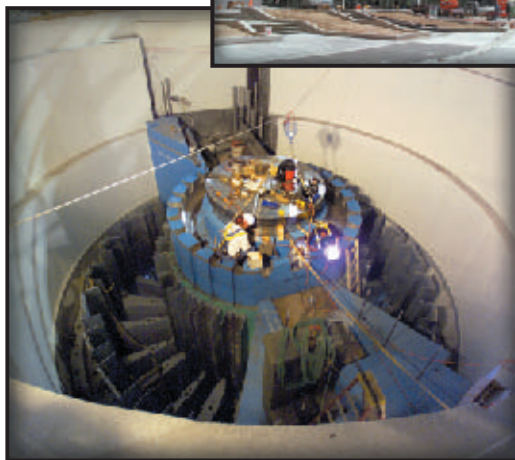
Tennessee, and this one-of-a-kind facility is bringing jobs and money to the East Tennessee area. SNS is expected to host 1,000 to 2,000 visiting scientists each year. These visits could range from several days to a week. Work at SNS is likely to generate new business in chemicals, metals, plastics, pharmaceuticals, and instrument development.

Construction on Schedule

Overall construction of SNS is about 92% complete as of October 2004. Essentially all the buildings are finished, with the exception of the Central Lab and Office Building (top left) and the Target Building (bottom left), which are scheduled for completion in December 2004 and March 2005, respectively.



Project structures call for ~80,000 cubic yards of concrete, equivalent to a sidewalk three feet wide from Knoxville to Nashville—or the amount of concrete needed to build TVA's Fort Loudon Dam.



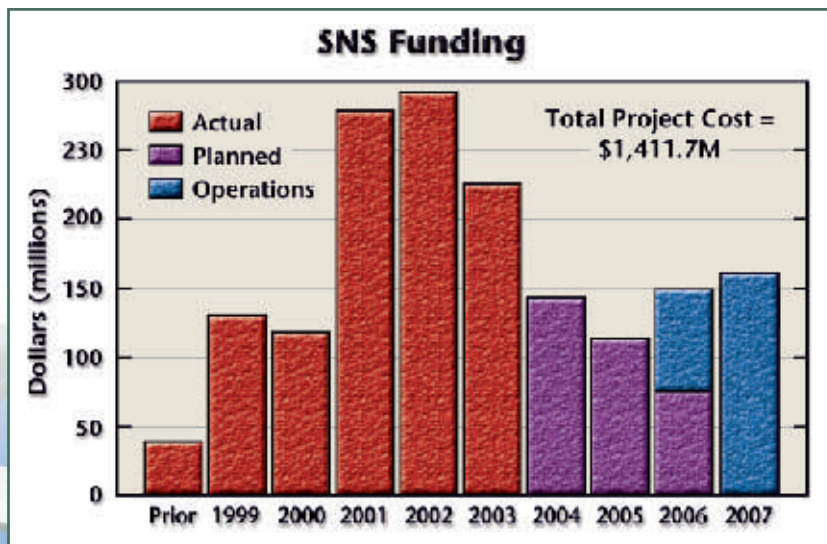
Accelerator commissioning continued this year, with successful testing of two-thirds of the accelerator system.

Outstanding Safety Record

SNS has maintained an outstanding safety performance, with lost time injury rates better than U.S. Department of Energy construction and general construction industry averages. Through the end of August 2004, more than 3,400,000 hours had been worked on the site with one possible lost-time injury (under investigation). The project has not received any environmental violations or fines.

Within Budget

The six-year budget for the completion of SNS totals \$1.4 billion. To date, more than 85% of that amount has been obligated. The funding request for fiscal year (FY) 2005 is \$114 million. At this funding rate, the project will be about 95% complete at the end of FY 2005. The estimated annual operating budget for FY 2007 is about \$160 million.



Procurement Almost Completed

Major procurements during the past year were for general construction and the target facility.



Providing Jobs

In addition to the 400 or so construction workers, almost 900 people are working on SNS, including staff at all five partner labs. When completed, about 400 permanent staff will be employed by the project. Most of the SNS workforce resides in 14 East Tennessee counties.

Boosting the Local Economy

Of the \$625 million in contracts awarded on the SNS project through June 2004, about \$354 million were awarded to East Tennessee companies.

